



## Package Terminal Air Conditioners & Heat Pumps

### HEATING • AIR CONDITIONING

#### Amana *Quality* Difference:

- *High efficiency operation*
- *Ultra quiet operation*
- *Reliability and Durability*
- *Full factory testing*
- *Five year warranty*

#### Amana *Value* Difference Built-in “Standard” features:

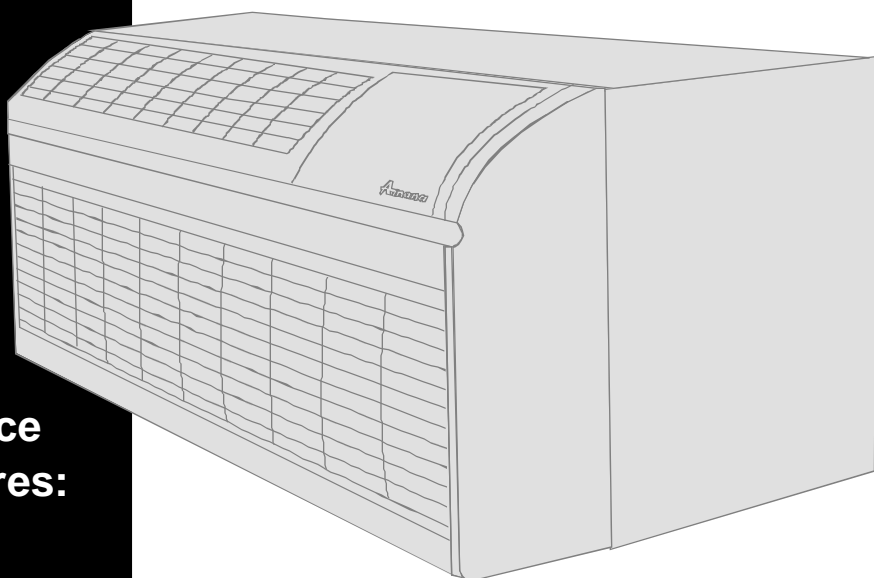
- *Remote temperature sensing*
- *Remote control functions*
- *Compressor restart delay*
- *Increased dehumidification capacity*
- *Filtered ventilation air intake*
- *Random restart circuit*
- *Front desk control*
- *Freeze Protection*

Don't settle for less than the  
Amana “Standard” Advantage !!

7,200 through 14,200 BTUH Cooling  
6,700 through 13,700 BTUH Reverse  
Cycle Heating

Electric heat up to 17,100 BTUH (5.0 kW)  
Hydronic heat up to 20,000 BTUH

Up to 11.6 EER  
Up to 3.3 COP



*Full  
One Year Warranty*

*Full Five Year  
Sealed System Warranty*

*Limited Five Year  
Functional Parts Warranty*

*A higher standard of comfort*

**Amana**  
Raytheon Appliances

## THE AMANA “STANDARD” ADVANTAGE

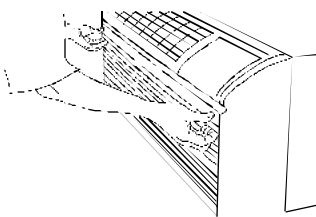
Amana has designed the **Packaged Terminal Air Conditioner** for customer comfort and owner peace of mind. No other unit in the industry offers so many “extras” already built in as “**STANDARD**” on every unit. With all the features and benefits our units have to offer, you no longer need to settle for anything less than the **Amana “Standard” Advantage!!**

<b>Standard Features</b>	<b>Advantages and Benefits</b>
<b><i>Five-Year Warranty</i></b>	Enjoy one of the most comprehensive warranties in the industry. Full 1-year warranty on unit parts and labor; full 5-year warranty on the entire sealed system components; limited parts-only warranty on functional components.
<b><i>Energy Efficiencies</i></b>	Our units' high efficiencies can qualify you for many of the rebates offered by electrical power companies. EER's up to 11.6 and heat pump COP's up to 3.3 keep energy consumption to a minimum.
<b><i>Freeze Protection</i></b>	No more worries about bursting water pipes or broken fixtures caused by freezing temperatures. When the unit senses room temperatures of 40 degrees Fahrenheit or below, the unit activates the fan motor, and either the electric resistance heater or the hydronic heater.
<b><i>7" Unit Front</i></b>	Enhance valuable room space -- the unit front has a sleek 7" depth, one of the shallowest silhouettes in the industry today. In addition, to inhibit guest-tampering, the front can be secured to the chassis with hidden screws.
<b><i>Versatile Style</i></b>	Our unit's new stylish design and neutral color make it compatible with virtually any room decor or architectural design. The unit becomes less noticeable as it blends into the room's color scheme.
<b><i>Easy To Use Controls</i></b>	No complex controls to confuse your guests and create phone calls for your manager. Controls are easy to read, understand, and activate.
<b><i>Remote Thermostat Control</i></b>	Each unit is built to be operated from a remote-mounted thermostat, if desired. Even if you start without a remote, you can take advantage of a built-in low voltage power source which accommodates a large variety of thermostat choices -- manual, auto change-over, or programmable -- at a later date.
<b><i>Increased Dehumidification Capacity</i></b>	Maintain lower humidity levels in rooms while cooling them without the need for expensive add-on's. As a result, guests feel more comfortable at higher temperatures, thus reducing cooling costs, and the life of your furniture, wall coverings, and fixtures is extended which means less replacement costs.
<b><i>Quiet Operation</i></b>	The unit's state of the art design and construction provide a quiet environment allowing guests to enjoy peaceful, sleep-filled nights. Operating sound levels are further dampened when unit is in "low fan" mode of operation.
<b><i>Filtered Ventilation Air</i></b>	Guests' rooms stay cleaner, longer. The hidden ventilation air intake filters outside air to reduce dust and pollen.
<b><i>Front Desk Control</i></b>	Obtain greater savings by centrally controlling units and eliminate wasted energy generated by cooling and heating unoccupied rooms. Each unit has low voltage interface capability with a field supplied front desk ON/OFF switch.
<b><i>Easy to Service</i></b>	The main components are easily serviced; the unit is easy to diagnose or troubleshoot to spot potential problems.
<b><i>Remote Temperature Sensing</i></b>	Guests enjoy ultimate comfort with consistent climate control. Attach an optional, inexpensive remote thermistor temperature sensing device, and temperatures are held more closely to the chosen room setting.

# THE AMANA "STANDARD" ADVANTAGE

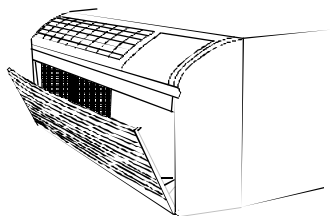
Standard Features	Advantages and Benefits
<b>Wall Sleeve</b> 13-3/4" x 42" x 16-1/16"	No more worries about changing out non-standard sleeves that do not accommodate the bulk of what the industry has to offer. Amana's wall sleeve is an industry standard size of 13-3/4" deep x 42" wide x 16-1/16" high.
<b>Automatic Emergency Heat</b>	No more "my unit is not heating" complaints during the middle of the night. Each unit automatically switches over to electric resistance heat if for any reason the heat pump compressor system fails or if the heating load is greater than the unit capacity.
<b>Fan Mode Switch</b>	Take advantage of each unit's dual options: select continuous fan operation or cycle the fan ON and OFF with the compressor.
<b>Zero Floor Clearance</b>	Unit can be installed flush to the finished floor, if desired. (Some accessories do not have zero clearance).
<b>Temperature Limiter</b>	Save energy and money by avoiding the extreme settings that can occur with guest operation. The unit-mounted mechanical temperature limiter allows guests to adjust in-room temperature settings while maintaining a pre-programmed range set by you.
<b>Random Restart</b>	Avoid troublesome power surges that can damage electrical circuits. Each unit has a random restart circuit to prevent all units from restarting at one time after power disruption.
<b>Compressor Restart Delay</b>	Extended compressor-life. The unit automatically delays any restart attempt by three minutes to allow the refrigerant pressures time to equalize.

## Easy Filter Access

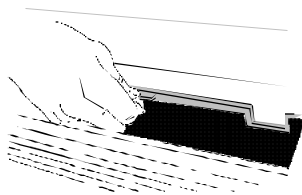


Step 1: Open the intake grille

Maintaining the unit's efficiency while saving time and money is as easy as 1-2-3. The filter is easily accessed for cleaning or replacement without removing the unit front.



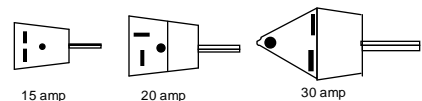
Step 2: Pull open the intake grille



Step 3: Press down lightly on the thumb tab at the top of the filter and remove the filter.

## Power Cord Plugs

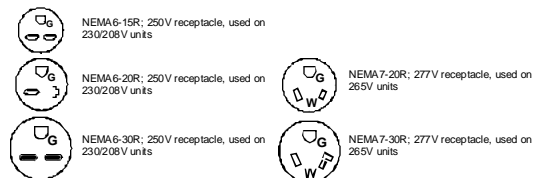
250V Rating Power Cord Plugs  
NEMA 6 Configuration



277V Rating Power Cord Plugs  
NEMA 7 Configuration



## Power Receptacle Configuration



**All units come with  
factory installed  
power cord.**

# SPECIFICATIONS - COOLING/ELECTRIC HEAT

## PTC Models

### Cooling Performance

Model (Basic) (NOTES 1 & 7)	PTC073A***A	PTC074A***A	PTC093A***A	PTC094A***A	PTC123A***A	PTC124A***A	PTC153A***A	PTC154A***A
Voltage (NOTE 3)	230/208	265	230/208	265	230/208	265	230/208	265
Capacity (BTUH)	7,500/7,400	7,500	9,000/8,800	9,000	12,200/12,000	12,200	14,200/14,000	14,200
Amps	2.5/2.6	2.0	3.7/3.8	3.0	4.9/5.3	3.7	6.3/6.9	5.9
Watts	645/635	645	810/790	810	1,145/1,125	1,130	1,525/1,500	1,555
EER	11.6	11.6	11.1	11.1	10.8	10.8	9.3	9.2
<b>Unit without Electric Heater</b>								
Min.Circuit Ampacity (NOTES 2 & 4)	3.8	3.4	4.9	4.2	6.4	5.7	8.4	7.4
<b>CFM (Cool, Wet Coil)</b>								
High	220/215	220	220/215	220	290/270	290	325/315	325
Low	175/155	175	175/155	175	220/190	220	250/220	250
<b>CFM (Dry Coil)</b>								
High	235/230	235	235/230	235	310/290	310	345/335	345
Low	185/165	185	185/165	185	235/205	235	265/235	265
Ventilated Air, CFM (Fan Only)	35*	35*	35*	35*	45*	45*	50*	50*
Dehumidification (Pints/Hr.)	1.9	1.9	2.7	2.7	3.8	3.8	4.4	4.4
Net Weight (approximate Lbs.)	110	110	120	120	130	130	140	140
Shipping Weight (approximate lbs.)	130	130	140	140	150	150	160	160

\* Approximately 70 CFM with optional power vent kit

### Electric Heater Performance (PTC and PTH Models)

(Primary for PTC models; Auxiliary for PTH models)

ELECTRIC HEATER SIZE (kW) (NOTE 7)	VOLTAGE	NO. OF STAGES	NOMINAL HEATING			TOTAL WATTS (NOTE 6)	TOTAL AMPS (NOTE 8)	MIN. CIRCUIT AMPACITY (NOTE 2)	OVERCURRENT PROTECTION (NOTE 4)	POWER CORD
			BTUH AT 230V	BTUH AT 208V	BTUH AT 265V					
2.5/2.0	230/208V	1	8,500	6,800	--	2,650/2,140	11.5/10.2	14.2	15	6 - 15 P
3.5/2.9	230/208V	1	12,000	9,900	--	3,650/3,040	15.8/14.5	19.6	20	6 - 20 P
5.0/4.1	230/208V	**	17,100	14,000	--	5,150/4,240	22.3/20.3	27.8	30	6 - 30 P
2.5	265V	1	--	--	8,500	2,650	10.0	12.4	15	7 - 20 P
3.7	265V	1	--	--	12,600	3,850	14.6	18.1	20	7 - 20 P
5.0	265V	**	--	--	17,100	5,150	19.5	24.2	25	7 - 30 P

\*\*PTC/H07\*A50\*A, PTC/H09\*A50\*A, and PTC/H12\*A50\*A are 2-stage; PTC/H15\*A50\*A is 1-stage.

## Hydronic Heat Models

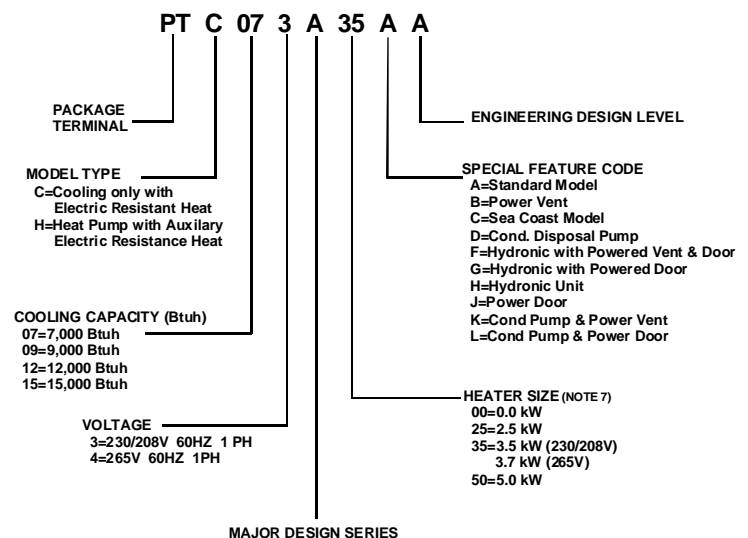
### Hydronic Models / Water and Steam Valves

These special models are shipped without a chassis front, without electric heat, and have an additional relay and 40VA transformer for water or steam valve operation. Also available in Hydronic with Powered Vent and Hydronic with Powered Door. See Model Identification (right) for Special Feature Codes for these models.

### Hydronic with Manual Door

Model Number	Voltage Capacity	Cooling Capacity	EER
PTC093A00HA	230/208	9,000/8,800	11.1
PTC123A00HA	230/208	12,200/12,00	10.8
PTC153A00HA	230/208	14,200/14,000	9.3
PTC094A00HA	265	9,000	11.1
PTC124A00HA	265	12,200	10.8
PTC154A00HA	265	14,200	9.2

### Amana PTAC Model Identification



# SPECIFICATIONS - COOLING/HEAT PUMP & ELECTRIC HEAT

## PTH Models

### Heat Pump Cooling Performance

Model (Basic) (NOTES 1 & 7)	PTH073A***A	PTH074A***A	PTH093A***A	PTH094A***A	PTH123A***A	PTH124A***A	PTH153A***A	PTH154A***A
Voltage (NOTE 3)	230/208	265	230/208	265	230/208	265	230/208	265
Capacity (BTUH)	7,400/7,200	7,400	9,000/8,800	9,000	12,000/11,600	12,000	14,000/13,800	14,000
Amps	2.5/2.6	2.0	3.5/3.8	3.0	4.6/5.0	3.7	6.3/6.9	5.9
Watts	635/620	625	810/790	810	1,130/1,115	1,130	1,520/1,500	1,555
EER	11.5/11.5	11.5	11.1/11.1	11.1	10.6/10.6	10.6	9.2/9.2	9.0
Units without Electric Heater Min.Circuit Ampacity (NOTES 2 & 4)	3.8	3.4	4.9	4.2	6.4	5.7	8.4	7.4
CFM (Cool, Wet Coil)								
High	220/215	220	220/215	220	290/270	290	325/315	325
Low	175/155	175	175/155	175	220/190	220	250/220	250
CFM (Dry Coil)								
High	235/230	235	235/230	235	310/290	310	345/335	345
Low	185/165	185	185/165	185	235/205	235	265/235	265
Ventilated Air, CFM (Fan Only)	35*	35*	35*	35*	45*	45*	50*	50*
Dehumidification (Pints/Hr.)	1.9	1.9	2.7	2.7	3.8	3.8	4.4	4.4
Net Weight (approximate lbs.)	110	110	120	120	130	130	140	140
Shipping Weight (approximate lbs.)	130	130	140	140	150	150	160	160

\* Approximately 70 CFM with optional power vent kit

### Heating Performance - Reverse Cycle (See facing page for *Electric Heater Performance* and *Power Cord Configuration*)

Heating Capacity Reverse Cycle (NOTE 1)	PTH073A***A	PTH074A***A	PTH093A***A	PTH094A***A	PTH123A***A	PTH124A***A	PTH153A***A	PTH154A***A
Amps	2.6/3.0	2.2	3.2/3.6	2.6	4.5/5.1	3.9	5.0/5.6	4.1
Watts	605/595	605	780/770	780	1,060/1,050	1,060	1,385/1,365	1,435
BTUH (NOTE 5)	6,800/6,700	6,800	8,500/8,400	8,500	11,200/11,100	11,200	13,700/13,500	13,700
COP (NOTE 5)	3.3/3.3	3.3	3.2/3.2	3.2	3.1/3.1	3.1	2.9/2.9	2.8
CFM (Dry)	235/230	235	235/230	235	310/290	310	345/335	345
Heating BTUH (NOTE 5) Outdoor Ambient	° F							
	62	8,800/8,700	8,800	10,700/10,600	10,700	13,600/13,500	13,600	16,800/16,600
	57	8,200/8,100	8,200	10,100/10,000	10,100	12,800/12,700	12,800	15,800/15,600
	52	7,500/7,400	7,500	9,400/9,300	9,400	12,000/11,900	12,000	14,700/14,500
Rating Point 47° F (NOTE 5)	47	6,800/6,700	6,800	8,500/8,400	8,500	11,200/11,100	11,200	13,700/13,500
	(COP)	3.3/3.3	3.3	3.2/3.2	3.2	3.1/3.1	3.1	2.9/2.9
Watts Outdoor Ambient	42	6,100/6,000	6,100	7,700/7,600	7,700	10,400/10,300	10,400	12,600/12,500
	37	5,500/5,400	5,500	6,900/6,800	6,900	9,600/9,500	9,600	11,700/11,500
	32	4,900/4,800	4,900	6,100/6,000	6,100	8,800/8,700	8,800	10,600/10,400
	62	690/680	690	870/850	870	1,160/1,150	1,160	1,535/1,510
	57	665/645	665	840/820	840	1,130/1,120	1,130	1,485/1,460
	52	630/620	630	810/795	810	1,090/1,080	1,090	1,435/1,420
	47	605/595	605	780/770	780	1,060/1,050	1,060	1,385/1,365
	42	580/570	580	750/740	750	1,030/1,020	1,030	1,325/1,305
	37	555/545	555	720/710	720	990/980	990	1,260/1,240
	32	530/520	530	690/680	690	960/950	960	1,205/1,180
								1,255

#### NOTES:

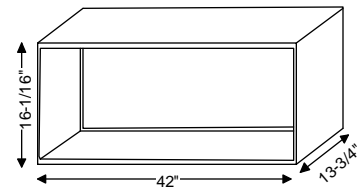
1. All 265v models must use Amana's subbase (PTSB4\*\*C) or Amana's hard wire kit (PTPWHWK4)
2. Minimum branch circuit ampacity ratings conform to the National Electric Code. However, local codes should apply.
3. Minimum voltage on 230/208 volt models is 197 volts; maximum is 253 volts. Minimum voltage on 265 volt models is 238.5 volts; maximum is 291.5 volts.
4. Overcurrent protection for **all units without electric heaters** is 15 amps. Overcurrent protection on 265 volt models must be cartridge-style time delay fuses (included and factory installed on Amana chassis).
5. Heating capacity and efficiency is based on unit operation without condensate pump. Unit automatically switches to electric heat at 25°F (nominal) outdoor coil temperature.
6. Total watts for 15,000 Btu/h models; subtract 30 watts for PT12\*A\*\*AA and 70 watts for PT07/09\*A\*\*AA.
7. Please specify 2-digit heater kW size to complete model number.
8. Total amps for 12,000 and 15,000 Btu/h models; subtract 0.2 amps for PT07/09\*A\*\*AA.

**EER** - Energy Efficiency Ratio per American Refrigeration Institute (ARI) Test Procedures and Canadian Standards Association (CSA) EEV Test Procedures.  
**COP** - Coefficient of Performance per ARI Test Procedures

# ACCESSORIES

**Wall Sleeve** (42" wide x 16-1/16" high x 13-3/4" deep)  
Standard insulated wall sleeve fits all Amana Packaged Terminal Units. Shipped separately to allow installation during construction.

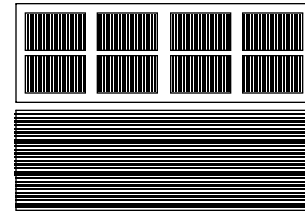
WS900B	Wall Sleeve
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## Outdoor Grilles

Available in stamped aluminum and an attractive extruded aluminum architectural grille for application with WS900B wall sleeve. The architectural grille is available in anodized natural, 3 stock colors and custom colors to blend with the building exterior. CB=Clear, DB=Dark Bronze, ZB=Driftwood, WB=White, SB=Special (Custom) Color

Standard Outdoor Grille	
SGK01B	Single Pack
SGK10B	Ten Pack
Architectural Grille	
AGK01*B	Single Pack
AGK10*B	Ten Pack



## Remote Temperature Sensor

Allows inexpensive, low voltage temperature sensing on internal wall for more accurate temperature control.

RTS01	Remote Temperature Sensor
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## Hard Wire Kit (not shown)

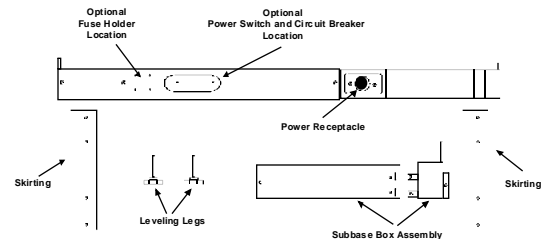
Used to permanently wire to chassis when standard sub-base and power cord are not utilized.

PTPWHWK4	Hard Wire Kit
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## Subbase Kit

The fully skirted subbase conceals wiring while providing strong support, if needed. Plug-in receptacle and field wiring access speeds installation. Electrical accessories such as fuse holders, circuit breakers and disconnect switches meet N.E.C. requirements.

PTSB320C	230/208V 15/20A
PTSB330C	230/208V 30A
PTSB420C	265V 15/20A
PTSB430C	265V 20A



## Fuse Holder Kit (not shown)

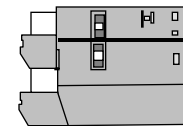
Cartridge style fuses can be installed in fuse holder for use in subbase or chassis. Available in 15, 20 and 30 amp. (Included on 265v unit).

FHK315C	230/208V 15A
FHK320C	230/208V 20A
FHK330C	230/208V 30A

## Circuit Breaker Kit (230/208v only)

The circuit breaker kit, available in 15, 20, 25 or 30 amp, can be used with Amana's subbases. It gives overcurrent protection and its location allows turning unit on or off without tools.

CBK3**C	Circuit Breaker Kit
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## Power Disconnect Switch (not shown)

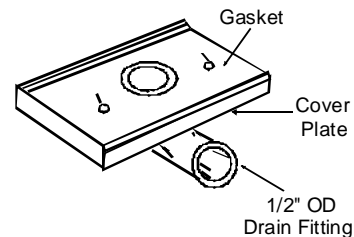
The PSHW\*\*A power disconnect switch can be used for 265 or 230/208 volt physical disconnect where required by local codes. The switch is rated at 30 amp capacity. The switch is for use with Amana's standard subbases or PTPWHWK4 Hard Wire Kit.

PSHW03A	230/208V
PSHW04A	265V

## Condensate Drain Kit

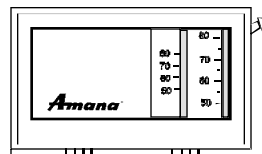
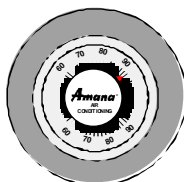
Attaches to the wall sleeve base pan for controlled internal or external disposal of condensate

DK900-1	Condensate Drain Kit
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## Thermostats

The following thermostats offer remote control.



	Heat Stages	Cool Stages	Programmable	Shape
D9807605	2	1	Yes	Rectangle
D9945801	2	1	No	Rectangle
D6853511	1	1	No	Rectangle
C5200609	1	1	No	Round

**Note:** Thermostats listed above are manual changeover

# ACCESSORIES



## Security Key Locks

In conjunction with the tamper-resistant front, the installation of Amana's security key locks prevents tampering of the controls used to set temperature, heating and cooling functions. U.L. approved for institutional use only.

KL03	Security Key Lock
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## Remote Escutcheon Kit (not shown)

Optional kit for use with units controlled via a wall thermostat. Replaces knob controls for units operated by wall thermostat.

REK10A	Remote Escutcheon Kit (10/pack)
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## Condenser Baffle Kit

For use on non-baffled grilles. These deflectors direct the air in toward the center and away from the inlet to prevent recirculation of the hot condenser air.

DGK1	Condenser Baffle Kit
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## Duct Extension Kit (not shown)

Extends air distribution to an adjoining room. Consists of a main duct for the room of origin and an extension duct to reach the adjoining room and terminal duct.

MDK02	Main Duct
EDK02	Extension Duct
TDK02	Terminal Duct

## Power Vent Kit (not shown)

Installation of Power Vent increases CFM to approximately 70. Vent door will automatically close when unit fan is off.

PVK3A	230/208V
PVK4A	265V

## Power Door Kit (not shown)

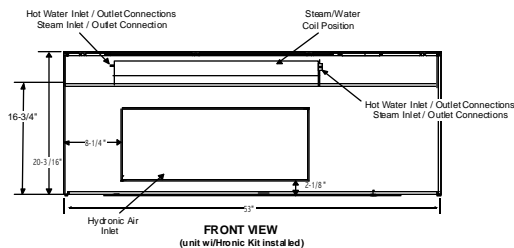
Vent door will automatically open when unit fan is on.

PDK3A	230/208V
PDK4A	265V

## Hydronic Heat Kit

Add-on kits fit all units allowing the addition of hydronic water or hydronic steam heat to cooling and heating units. The kits feature left- or right-hand piping. Unit retains complete service access with a kit installed.

HWK03	Hydronic Water Kit
HVK03	Hydronic Steam Kit



## Hydronic Transformer Relay Kit (not shown)

Add-on kit that allows conversion of a standard unit to a Hydronic unit.

HTK3	230/208V
HTK4	265V

## Water Valves (not shown)

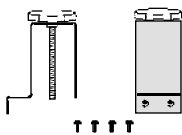
Water and steam valves are available for use with the HWK03 (water) and HVK03 (steam) heat kits. (See *Architects and Engineers Manual* for specifications.)

VW2WNCA	2-Way-24V-NC-End Switch
VW3WNCA	3-Way-24V-NC-End Switch
VW2WNOA	2-Way-24V-NO-End Switch
VW3WNOA	3-Way-24V-NO-End Switch
VS2WNCA	2-Way-24V-NC-Steam
VS2WNOA	2-Way-24V-NO-Steam

## Leveling Legs

Optional leveling legs fit wall sleeve to provide front support and leveling, if required.

LL-2B	Leveling Legs
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## Condensate Removal Pump (not shown)

Can be field installed. Assists in removing condensate developed by heat pump operation and transfers it to indoor coil to dissipate into room while adding humidity to the room.

CDP302	230/208V
CDP402	265V

## Heater Kit (for heaterless units only)

(not shown)

Optional heater kits (1.5, 2.5, 3.5, 3.7, and 5.0 kW) are available for use only with models originally shipped without electric heat. Ask salesperson for details.

**NOTE:** A 20 amp replacement cord set is included in the 230/208v, 3.5 kW kit. A 30 amp replacement cord set is included in 230/208v and 265v 5.0 kW kits.

HK3**E	230/208V
HK4**E	265V

## Spare Filters (not shown)

Helps keep dirt and lint out of the air and off the coil, thus increasing unit's efficiency. Amana filters are easy to remove, wash, and replace.

FK10A	Filters (10/pack)
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# GUIDE SPECIFICATIONS -- Chassis

Furnish and install air cooled through the wall package terminal air conditioners (heat pumps). Units are certified under the ARI (American Refrigeration Institute) and CSA (Canadian Standards Association) EEV certification programs and listed by U. L. (Underwriters Laboratories).

## Ratings

Each unit must meet the following specifications:

ARI rating of \_\_\_\_\_ BTUH cooling (and \_\_\_\_\_ BTUH reverse cycle heating with a COP of \_\_\_\_\_ at 47° F O.D.)

Electric resistance heat of \_\_\_\_\_ BTUH. Total Amp draw must be of \_\_\_\_\_ and \_\_\_\_\_ Watts at \_\_\_\_\_ volts.

The unit must remove a minimum of \_\_\_\_\_ pints of moisture per hour when operated at rating conditions. The EER must be a minimum of \_\_\_\_\_ EER.

## Unit Chassis

Each unit must be slide out design shipped with room cabinet front installed. Unit chassis must have the ability to be installed with zero clearance from finished floor. An electrical power cord must be included with chassis and installed by the manufacturer to assure proper NEMA 6 or 7 configuration and UL approved length. Unit must be tested for conformance to ASTM E water infiltration specification **ASTM E 331-86** which ensures no water infiltration when tested at 8 inches rain per hour at 63 mph wind for 15 minutes.

## Room Cabinet

The front of the room cabinet must be able to be field secured to chassis to inhibit tampering. Filter must be accessible without removing room front. Cabinet depth must not exceed 7" to minimize unit's impact on room space.

## Heat Pumps

Each unit must include a changeover thermostat that senses an outside coil switch-over temperature of 25° Fahrenheit, lock-open refrigerant reversing valve during heat pump operation, temperature-activated defrost drain and automatic emergency heat operation to override the heat pump's change-over thermostat and bring on electric resistance heaters in the event of a sealed system failure. Unit must not operate compressor and electric heaters simultaneously.

## Compressor

The compressor must be hermetically sealed, internally isolated, rotary-type, and permanently mounted on rubber isolators. No removal or adjustment of compressor hold down bolts is to be required during installation.

## Unit Controls

The unit's controls must be completely wired and accessible from the top. Controls must include high and low fan speeds for both cooling, heating, and fan only operation, and an OFF position. Other unit controls must include a concealed ventilation control to allow the introduction of filtered air into the room, a concealed fan mode switch to allow the owner to preset for either continuous fan or thermostatically cycled fan operation. Additionally, the following controls are to be included as standard on all units:

- *Compressor restart delay*
- *Random restart circuit*
- *Front desk control*
- *Automatic freeze protection*
- *Remote control capability*
- *Mechanical temperature limiter*
- *Remote temperature sensing capability*

## Evaporator/Condenser Fans

Direct drive with a permanent split capacitor two-speed motor. Condensate must be directed onto the condenser coil to aid in evaporation and removal. Condenser fan must be propellor type and evaporator fan must be blower type.

## Coils

Unit's coils must have rifled copper tubing expanded into rippled-edge louvered aluminum fins.

## Air Discharge

Must be a sloped surface so that obstructions cannot be placed on the unit. Discharge conditioned air can be directed into the room at an angle of 15 or 40 degrees from the vertical position. The discharge grille must be of polycarbonate material to resist bending, cracking, rusting and corrosion.

## Warranty

The warranty is for **Full One Year** on the entire unit; **Full Second through Fifth Year** on the entire sealed refrigerant system components; **Limited Second through Fifth Year** on functional parts only.





# GUIDE SPECIFICATIONS -- Accessories

*(New installations typically require a minimum of **WS900B** wall sleeve and an outdoor grille.)*

## Wall Sleeves

The wall sleeve must be industry accepted dimensions: 13-3/4" depth x 42" width x 16-1/16" height and constructed of insulated galvanized steel with electro-deposition paint finish with ULV resistant high-solids polyester overspray. Sleeve must be shipped with weather resistant rear closure panel installed.

## Outside Grilles

Must be architectural extruded, anodized aluminum ( AGK\*\*\* B) or standard stamped aluminum (SGK\*\*B). All other grilles must be submitted to PTAC manufacturer for feasibility, airflow characteristics and compliance with U.L. regulations, where necessary.

*(The optional accessories listed below perform specific functions required in some installations.)*

## Remote Temperature Sensor

A field installed thermistor will override the unit mounted thermostat to allow more accurate, internal wall-sensing of room ambient temperature. All other modes and functions remain at the PTAC unit.

## Condensate Drain Kit

Attaches to the bottom of the wall sleeve for directional controlled internal or external disposal of condensate, defrost, or rain water.

## Subbase Kit

Necessary for U.L. listing requirements for 265 volt units (Hard Wire Kit may be substituted for Subbase kit). Optional for 230/208 volt units. Must be prewired to facilitate field electrical connections and include a NEMA 6 or 7 configuration electrical receptacle. It must have two leveling screws for sleeve support and accurate unit leveling during installation. Locations for field installation of physical disconnect switches, cartridge-style fuse holders and circuit breakers must be provided. Side-skirts must be provided with subbases.

## Power Vent & Damper

Must be provided to maximize ventilation air intake to up to approximately 70 CFM. Power vent must be off and damper door closed when unit fan is de-energized.

## Fuse Holders (included in 265V chassis)

Must be installed either in the unit or the subbase and must match the electrical requirements of the chassis.

## Security Key Locks

Must be installed to prevent tampering of the unit controls. Unit room cabinet must also be secured to the chassis with field supplied screws. U.L. approved for institutional use only.

## Duct Kits

Both a main duct kit, an extension duct kit, and a terminal duct kit must be supplied to duct conditioned air into a second room.

## Hydronic Heat Kit

Is required for heating functions instead of electric resistance heaters. Unit must retain complete service access with the kit installed. Proper water or steam valves must be used; however, they are not included in the Hydronic Heat Kit.

## Condensate Removal Pump (Heat Pumps only)

Must be installed to assist in removing the condensate developed by the heat pump operation and transfer it to the indoor coil to dissipate into the room adding humidity to the room.

## Disconnect Switch

Power disconnect switch must be installed in subbase for use as a physical disconnect where required by local codes.

## Circuit Breaker Kit

Must be installed in subbase to provide overcurrent protection for proper 230/208 volt amperage. Can also be used as a physical disconnect where local codes permit for 230/208 voltage.

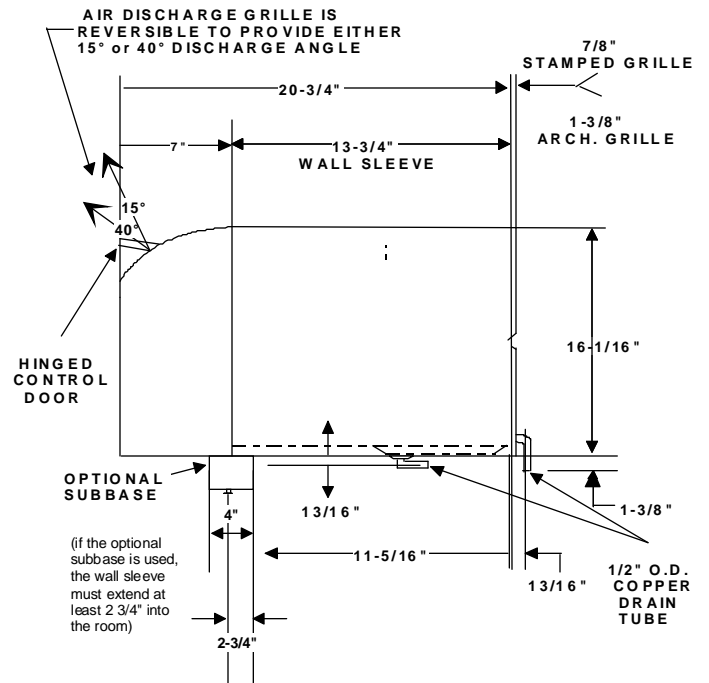
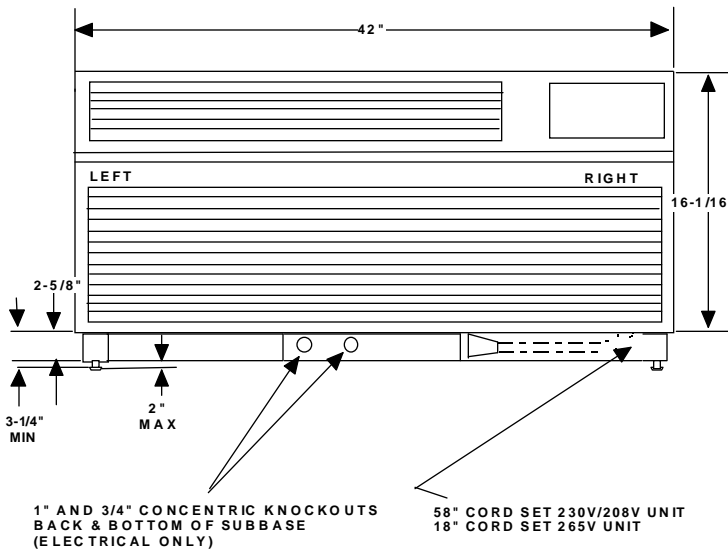
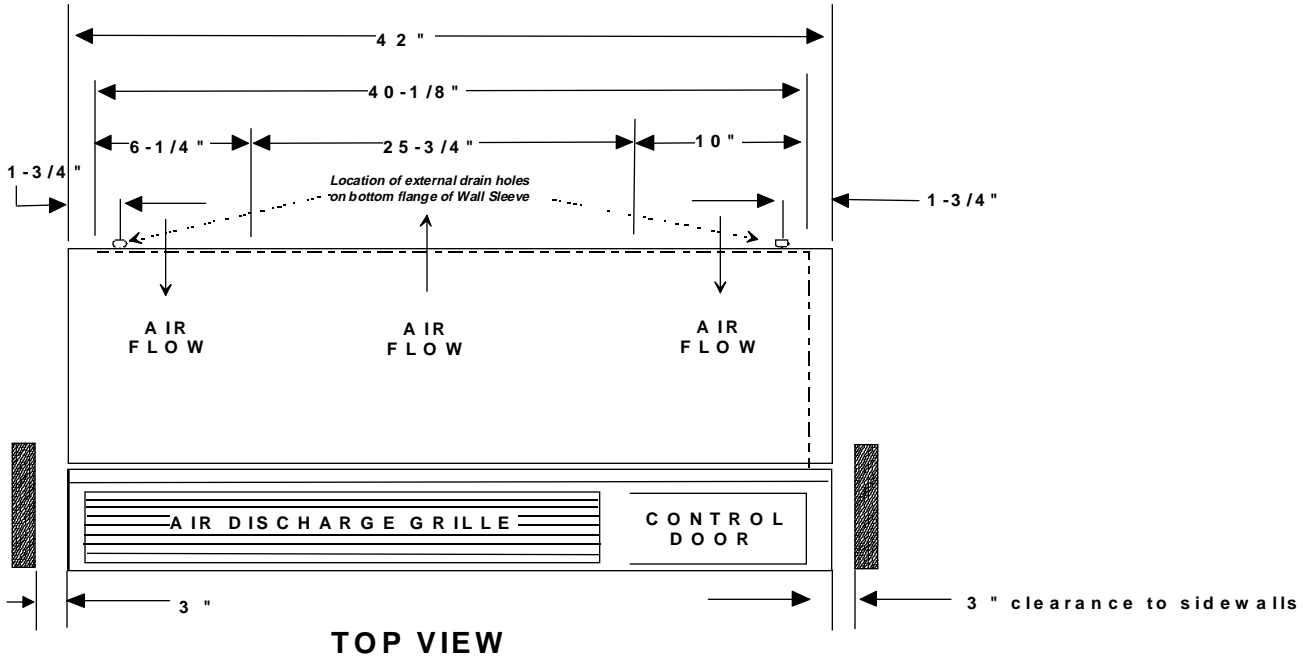
## Hard Wire Kit

Must be used to permanently wire chassis for hard wire purposes. (For 265 volt units, Hard Wire Kit may be substituted with Subbase Kit.)

## Thermostats

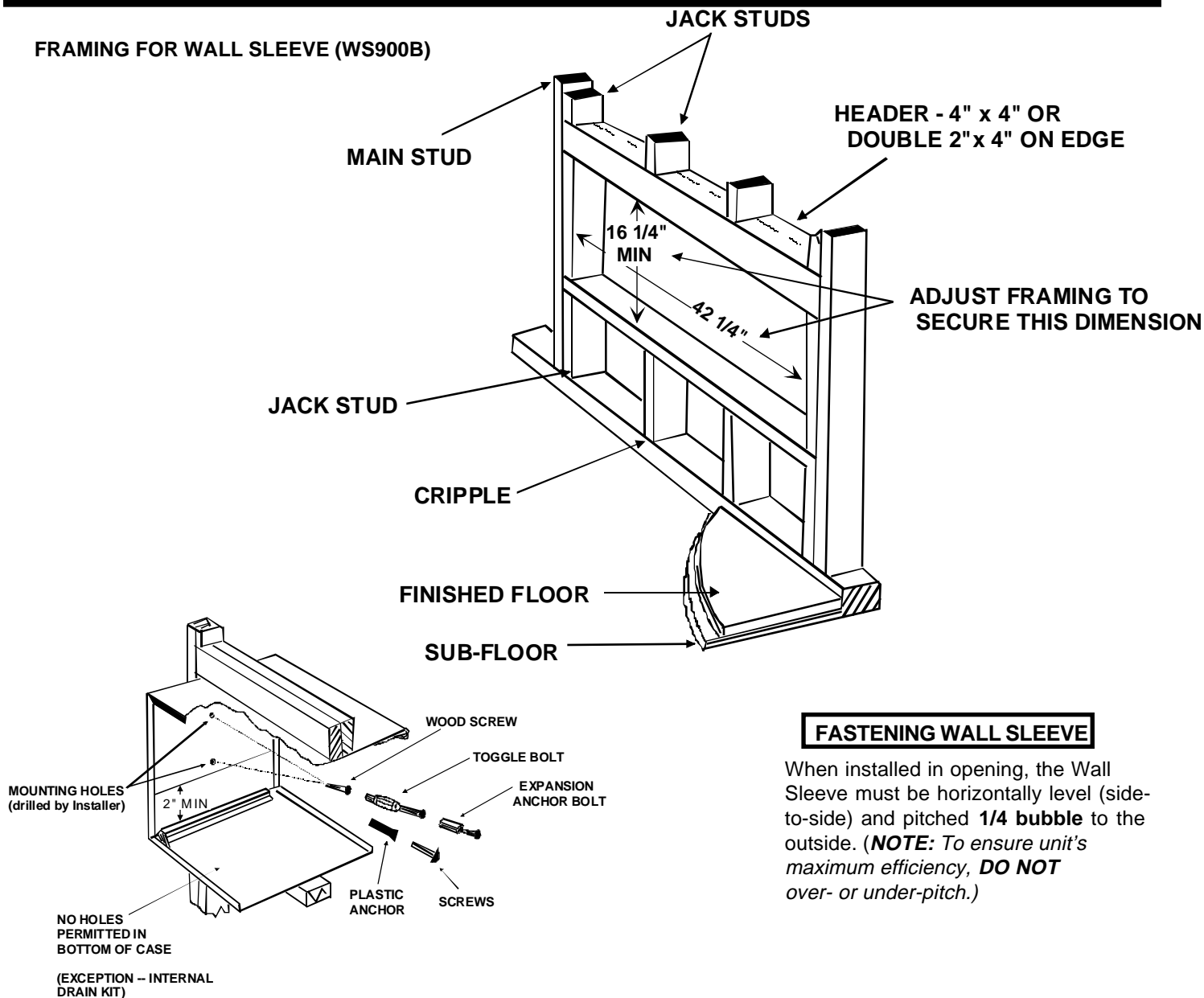
A manual, auto changeover, or programmable thermostat must be installed to provide full remote operation of the chassis. A Remote Escutcheon Kit must be used to indicate remote operation.

# STANDARD UNIT DIMENSIONS



# WALL SLEEVE INSTALLATION

## FRAMING FOR WALL SLEEVE (WS900B)



### INSTALLATION NOTES

- (1). If **Subbase** (PTSB\*\*\*C) is installed, allow minimum 3-1/4" height clearance and maximum 5" height clearance between wall sleeve and floor; allow minimum 2-3/4" protrusion from wall to front of wall sleeve.
- (2). **Drain Kit** (DK9001) shipped separately. Can be mounted either right side, left side, or bottom of sleeve. If mounted to bottom of sleeve, allow 2" height clearance from floor to bottom of sleeve.
- (3). For U.L. approval -- 265v units must use Amana **Subbase** (PTSB\*\*\*C) or Amana **Hard Wire Kit** (PTPWHWK4). Over-current protection on 265V units must be by cartridge style time delay fuses **which are included and factory installed on Amana chassis.**
- (4). If **Hydronic Kit** (HWK03 or HVK03) is installed, **Wall Sleeve** must extend exactly 3 inches into the room from finished interior wall.



**PACKAGED TERMINAL PRODUCTS  
(PTC, PTH "A" SERIES)**

**FULL ONE-YEAR WARRANTY  
FULL SECOND THRU FIFTH-YEAR WARRANTY ON SEALED SYSTEM COMPONENTS  
LIMITED SECOND THRU FIFTH YEAR WARRANTY ON FUNCTIONAL PARTS**

**WARRANTY PROVIDES FOR:**

**FULL FIRST YEAR WARRANTY:** Amana will repair or replace, free of charge, any part which proves to be defective due to workmanship or materials.

**FULL FIVE YEAR SEALED SYSTEM WARRANTY:** Amana will repair or replace, free of charge, the evaporator, condenser, compressor, or connecting tubing which proves to be defective due to workmanship or materials.

**LIMITED SECOND THRU FIFTH YEAR FUNCTIONAL PARTS WARRANTY:** During the 2nd thru 5th year, Amana will provide, free of charge, functional parts which prove to be defective due to workmanship or materials. Components covered are switches, solenoids, fan motors, thermostats, circuit boards, factory installed heaters, blower wheel, fan propeller, capacitor. This **LIMITED WARRANTY** does not include diagnostic time, labor, or any transportation and reinstallation charges that may be required.

**WARRANTY LIMITATIONS:**

- Warranty is effective as of the original date of purchase.
- All warranty service must be performed by an authorized Amana Servicer.
- Reimbursement for warranty service is limited to normal service charges performed during the servicer's normal business hours.
- Applies only to original installation within the continental United States, Hawaii, Alaska, and Canada.
- The warranty is void if the product serial identification tag is removed or defaced to a point where the unit cannot be identified.

**In no event shall Amana Refrigeration, Inc. be responsible for incidental or consequential damages.\***

**OWNER'S RESPONSIBILITIES:**

- Provide proof of purchase (sales invoice).
- Provide normal care and maintenance.
- Make product reasonably accessible for service.
- Pay for service calls related to product installation or usage instructions.
- Pay for replacement of fuses and circuit breakers.
- Under the Limited Warranty, the owner is responsible for servicer's travel charges, labor, parts freight and cartage, if required.

**AMANA IS NOT RESPONSIBLE FOR:**

- Damage as a result of flood, lightning, fire, wind, and accidents beyond Amana's control.
- Damage as a result of product not installed according to Amana's instructions and specifications.
- Replacement of fuses and replacement or resetting of circuit breakers.
- Damage or failure resulting from installation in an environment containing highly corrosive chemical agents.
- Damage or failure resulting from installation in a coastal environment due to corrosion except those specific models (i.e. Seacoast models) which have been treated with factory applied corrosion protection.
- Damage and/or no start conditions caused by improper or inadequate electrical connections.
- Damage resulting from failure to perform routine maintenance as specified in the Operator's Manual.

\*This warranty gives you specific legal rights, and you may have others which vary from state to state. For example, some states do not allow the exclusion or limitation of incidental or consequential damages, so this exclusion may not apply to you. For warranty service, contact an Authorized Amana Servicer.

Should you have a service problem that is not resolved locally,

Write: Customer Relations Department -- PTAC  
Amana Refrigeration, Inc.  
Amana, Iowa 52204

Dial: 1-800-843-0304 -- Please listen to entire listing of selections and select **Package Terminal** units or **Thru-the-Wall** units.

Part No. 11046401  
Printed in U.S.A.

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Amana, Iowa 52204

*For detailed information on operating specifications, dimensions, installation data, and accessories, refer to the Amana Architects and Engineers Manual. To obtain a manual, consult your Amana representative.*

**Amana's continuing commitment to quality products may mean a change in specifications without notice.**

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